

## Brief Curriculum Vitae (Q. Daniel Wang)

Q. Daniel Wang is a professor in the Astronomy Department at University of Massachusetts Amherst. He received his Ph.D. in astronomy in 1990 from Columbia University and was awarded the 1992 ASP Robert J. Trumpler Award for Outstanding North American Ph.D Dissertation Research in Astronomy. He was then a NASA Edwin P. Hubble Postdoctoral Fellow at University of Colorado and later a Lindheimer Fellow at Northwestern University. He was also a member of the Institute for Advanced Study at Princeton and a Raymond and Beverley Sackler Distinguished Visiting Astronomer at University of Cambridge. He was honored as the Siyuan Visiting Professor, then the Yixing Visiting Chair Professor in the School of Astronomy and Space Science at Nanjing University, and most recently as a Fulbright U.S. Scholar and a visiting professor at Pontificia Universidad Católica de Chile. He was a Frontier Science Panel member for the US 2010 Decadal Survey on Astronomy and Astrophysics and served on the executive committee of the High Energy Division of the American Astronomical Society.

His research is primarily on high energy astrophysics. He is well recognized for his pioneering work on X-ray mapping and spectroscopy of diffuse hot plasma in and around galaxies and for leading several major surveys of the Milky Way Galaxy Center, using state-of-art telescopes. He was the principle investigator of numerous national and international research projects, including several large observing projects with the Hubble Space Telescope, Chandra X-ray Observatory, and XMM-Newton X-ray Observatory. He has (co-)authored about 190+ research papers published in refereed journals (including four in Nature and one in Science as the lead author and one single author review paper in Proceedings of the National Academy of Sciences); about 50 over the last five years. His publication covers a broad range of topics: compact stars, supernova remnants, superbubbles, and hot circumgalactic and intergalactic media, as well as galactic nuclei and their environments. His current research focuses on the feedback and ecosystem of galaxies and galactic nuclear regions. He mainly uses radio, infrared, ultraviolet, and X-ray observations to conduct these studies. He also carries out theoretical and computational studies with his students and collaborators.

### Employment History

2008-present, Full Professor, University of Massachusetts, Amherst  
2002-2008, Associate Professor, University of Massachusetts, Amherst  
1999-2002, Assistant Professor, University of Massachusetts, Amherst  
1994-1999, Research Assistant Professor, Northwestern University, Evanston  
1993-1994, Research Scientist at University of Colorado, Boulder  
1990-1993, Hubble Fellow, Joint Institute for Laboratory Astrophysics, Boulder

### Professional Recognition

2018 - Visiting Professorship, Pontificia Universidad Católica de Chile  
2018 - 2018-19 Fulbright U.S. Scholar  
2018 - Visiting Professorship, T.D. Lee Institute and Shanghai Jiao Tong University  
2013 - 2016 Yixing Visiting Chair Professorship at Nanjing University  
2013, Raymond and Beverley Sackler Distinguished Visiting Astronomer, University of Cambridge  
2006 - 2009, Siyuan Visiting Chair Professorship at Nanjing University  
2005, Distinguished Visitor Fellowship, Institute for Advanced Study  
1997, First-Class Award for the Science and Technology Advance  
from the National Education Committee of P. R. China  
1994, Lindheimer Postdoctoral Fellowship  
1992, ASP Robert J. Trumpler Award for Outstanding North  
American Ph.D Dissertation Research in Astronomy  
1990-1993, Hubble Postdoctoral Fellowship  
1990, Harvard-Smithsonian Center for Astrophysics Fellowship (declined)  
1990, Canadian Institute for Theoretical Astrophysics Fellowship (declined)  
1985, Nanjing University "New Star" Award

### Scientific Advisory Boards

2018 - the NASA Great Observatory Science Analysis Group  
2016 -2017 Overseas Expert for Chinese Academy of Sciences  
2015 - Academic Board of the Key Laboratory for Research in Galaxies and Cosmology,  
Chinese Academy of Sciences  
2014 - 2017 Executive Committee Member of the High Energy Astrophysics Division of  
American Astronomical Society  
2009, Frontier Science Panel Member of US Astro 2010 -  
the Decadal Survey on Astronomy and Astrophysics

More information may be found at <http://people.umass.edu/wqd/>